



IWH5416 Touch II

16CH Embedded Hybrid DVR

The all-new AVer IWH5416 Touch II Windows® embedded H.264 hybrid DVR builds on the success of the previous generation of IWH series DVRs. It offers a powerful quad-core processor to deliver quality video, with up to 5 megapixels per designated camera channel and a total of 42 megapixels for all channels. The IWH5416 supports dual monitor output for monitoring images on one monitor, while viewing video playback or E-maps on the other. It also comes with the all-new setup wizard, making system configuration easier than ever.



Video intelligence

AVer's video intelligence allows operators to cut through the clutter of high-volume videos by detecting unfolding situations in real-time. Preset conditions include suspicious / missing object detection, scene change, motion detection, PTZ tracking, face detection with FaceFinder, and many more. Together with the advanced alarm management, it facilitates the effective control and possible prevention of crises.



Extended storage capacity and S.M.A.R.T. management

The AVer IWH5416 Touch II's advanced data storage capabilities are clearly evident with support for 6 hot-swappable hard disk drives, as well as e-SATA and iSCSI interface for extended hard disk or RAID storage. Adding to IWH5416's notable strength is the S.M.A.R.T. status alarm feature which notifies the operator of potentially fatal system errors in advance to ensure system stability.



POS integration and management via iPOS

The AVer IWH5416 Touch II easily integrates with up to 16 POS systems through its support of general POS protocol. With AVer's iPOS software, you can view live transaction data from POS systems together with the live images onscreen. The stored transaction data can later be used for advanced analysis, search, and playback. In addition, the keyword monitoring function can send alert messages to the manager when specific items are purchased.



Versatile remote software integration

The AVer IWH5416 Touch II is compatible with AVer's CM3000 and CM3000 Gold Central Management System to achieve powerful centralized management of up to 1000 DVRs including the ability to create a TV-wall command center through AVer's Remote iMatrix software. IWH5416 also comes integrated with mobile monitoring software, so users can view live video on iPhones, iPads, Android phones and other popular mobile devices.

Video Intelligence
object, motion
FaceFinder

Advanced Alarm
management

Expandable Storage
e-SATA, iSCSI

S.M.A.R.T. Status
Notification

CMS
1000 DVRs

POS
integrate up to 16

Mobility
iViewer (iOS)
AndroidViewer

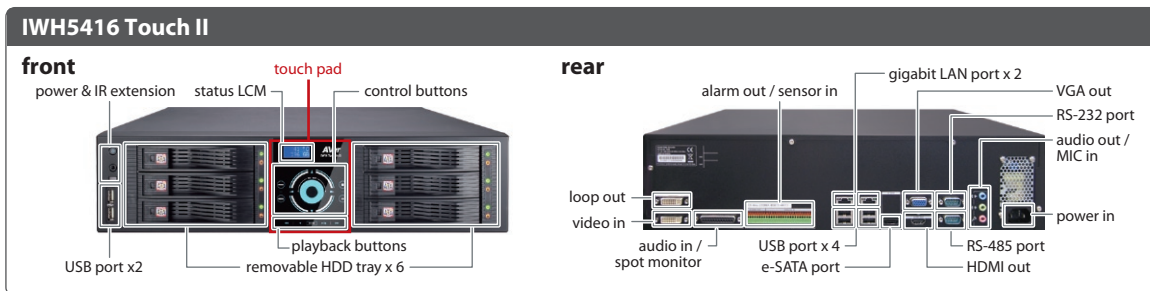
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model	IWH5416 Touch II	
system		
operating system	embedded Windows® 7 (64-bit)	
total channel numbers	16	
max. IP camera input	16	
camera input (analog)	16 BNC connectors	
performance		
recording (analog)	resolution	NTSC: 352 x 240 (CIF), 720 x 240 (Half-D1), 720 x 480 (D1) PAL: 352 x 288 (CIF), 720 x 288 (Half-D1), 720 x 576 (D1)
	frame rate (NTSC/PAL)	CIF: 480 / 400fps Half-D1: 480 / 400fps D1: 480 / 400fps
recording (IP)	resolution	up to 5 megapixels per channel, and a total of 42 megapixels for all channels in H.264 / MPEG-4 / MJPEG format
display (analog)	frame rate (NTSC/PAL)	480 / 400fps
storage	Internal HDD capacity	6 SATA HDDs (6 removable HDD trays) optional*: 4 SATA HDDs (4 removable HDD trays)
	external HDD support	e-SATA HDD or RAID x 1
	iSCSI support	yes
backup	internal DVD writer	yes* (4 SATA HDDs module, swappable with 1 HDD tray)
interface		
monitor	VGA output	1 (up to 1920 x 1200)
	HDMI output	1 (up to 1920 x 1200)
	SPOT monitor output	2 (supports 1 hybrid multi-quad output and 1 full screen output from analog camera channels with triggered alarms)
audio	input	16 line-in, 8KHz sampling rate
	output	1 line-out
MIC	input	1 line-in
alarm	sensor (alarm) input	16 input voltage: max. DC 6V
	relay output	4 (NO / NC) voltage range: AC 250V / DC 30V switching current: max. 1A
network	Ethernet (RJ45)	2 (10/100/1000Base-T)
control	front key pad	yes
	LCD display	yes (temperature / system status / free HDD space / alarm status)
general		
electrical	power input	300W PSU
environmental	operating temperature	0°C to 40°C (32°F to 104°F)
	operating humidity	90% RH
mechanical	dimensions (W x H x D)	430 x 105 x 410 mm
	weight (net)	8.36kg

* installed upon assembly



Distributor/Dealer:



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